



Example Generic Defense-in-Depth Framework

Ensure that the public is protected from harm by preventing and mitigating accidents

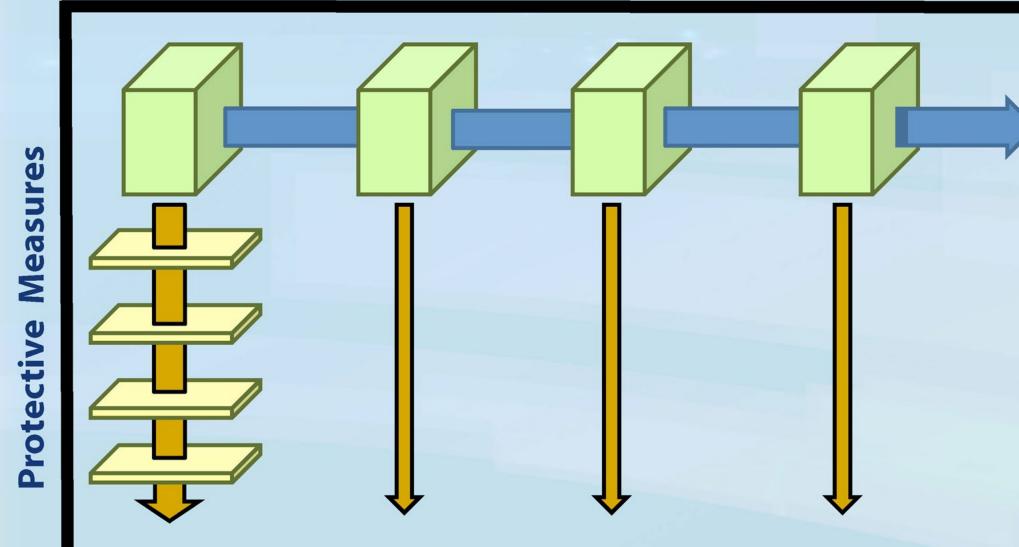
Ensure that the risk of the regulated activity remains acceptably low regardless of lack of knowledge

Have multiple layers of defense incorporated into the design and operation of the regulated activities and have these multiple layers address both prevention and mitigation

Principles

The basic ideas behind the measures that implement the approach used to accomplish defense-in-depth

Layers of Defense



Layers of defense are defined that provide for the prevention and mitigation of adverse events. The number and actual layers defined are dependent on the actual source posing the threat.

Protective measures are defined for each layer of defense. These are the design, operational, and programmatic features needed to ensure the functionality of each layer. The specific protective measures are dependent on the actual source and hazards posing the threat.

Reactor Safety Example Framework

Principles (Examples): key safety functions not reliant on single element; safety margins in design of SSC performance; siting location

